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- The effect of pain from orthodontic arch wire adjustment on masseter muscle electromyographic activity (Goldreich et al). 1994;106:365-70

**Palatal expansion**

- Biomechanical basis of vertical dimension control during rapid palatal expansion therapy (Majourau and Nanda). 1994;106:322-8 (Clin. corner)
- A comparison of two different rapid palatal expansion techniques from the point of root resorption (Erverdi et al). 1994;106:47-51

**Palate**

- Maxillary molar vertical control with the use of transpalatal arches (Wise et al). 1994;106:403-8
- Periodontal conditions after facial root tipping and palatal root torque of incisors (Wehrbein et al). 1994;106:455-62

**Photography**

- Head posture and cephalometric analyses: an integrated photographic/radiographic technique (Ferrario et al). 1994;106:257-66

**Pletcher, Erwin Carroll**

- Erwin Carroll Pletcher. 1994;106:331 (In memoriam)

**Plethysmography**

- An improved method for airway assessment in children (Hairfield et al). 1994;106:298-303

**Point/counterpoint**

- Point/counterpoint. 1994;106:524-34

**Polycarbonate**

- In vitro torque-deformation characteristics of orthodontic polycarbonate brackets (Feldner et al). 1994;106:265-72

**Polyvinyl**

- Shear bond strength of orthodontic brackets cemented with a zinc oxide-polyvinyl cement (Martin and Garcia-Godoy). 1994;106:615-20

**Porcelain**

- Evaluation of the ceramic/ceramic interface (Zelos et al). 1994;106:10-21 (Clin. corner)
- Shear strength of ceramic brackets bonded to porcelain (Whitlock et al). 1994;106:358-64

**Postcards**

- Postcards that pack a punch (Ash). 1994;106:661-4 (Ortho bytes)

**Premolar**

- Angle Class II, Division 1 malocclusion treated without premolar extraction (McCullough). 1994;106:317-21 (Case rep.)

**Q****Quality assurance**

- Outcomes assessed by orthodontic programs (Wade). 1994;106:109 (Educational update)

**Questionnaires**

- Orthodontic training: the residents' perspective (Keith and Proffit). 1994;106:649-53 (Special article)

**R****Racial factors**

- A study of nasal respiratory resistance and craniofacial dimensions in white and West Indian black children (Jones and Bhatia). 1994;106:34-9

**Radiation**

- A longitudinal study of the effects of surgery, radiation, growth hormone, and orthodontic therapy on the craniofacial skeleton of a patient evidencing hypopituitarism and a Class II malocclusion: report of a case (Newmann and Newman). 1994;106:571-82 (Case rep.)

**Radiography**

- An alternative technique to the vertex/true occlusal view (Ong). 1994;106:621-6
- Cephalometric norms for craniofacial asymmetry using submental-vertical radiographs (Arnold et al). 1994;106:250-6
- Head posture and cephalometric analyses: an integrated photographic/radiographic technique (Ferrario et al). 1994;106:257-66

**Rapid palatal expansion; see Palatal expansion****Research**

- Differential diagnostic analysis system (Merrifield et al). 1994;106:641-8 (Clin. corner)

**Residency; see Internship and residency****Resins**

- Reduction of caries and of demineralization around orthodontic brackets: effect of a fluoride-releasing resin in the rat model (Dubroc et al). 1994;106:583-7

**Respiration**

- An improved method for airway assessment in children (Hairfield et al). 1994;106:298-303
- A study of nasal respiratory resistance and craniofacial dimensions in white and West Indian black children (Jones and Bhatia). 1994;106:34-9

## Retention

- Anchorage and retentive effects of a bisphosphonate (AHBuBP) on tooth movements in rats (Igarashi et al). 1994;106:279-89
- Long-term stability after orthodontic treatment: nonextraction with prolonged retention (Sadowsky et al). 1994;106:243-9

## Review article

- Review article. 1994;106:191-200

## Reviews

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## Root resorption

- A comparison of two different rapid palatal expansion techniques from the point of root resorption (Erverdi et al). 1994;106:47-51

## S

## Sealants

- Effect of different time intervals between sealant application and bracket bond on adhesive strength (de Oliveira Almeida et al). 1994;106:389-94

## Self-ligation

- A comparative study of conventional ligation and self-ligation bracket systems (Shivapuja and Berger). 1994;106:472-80

## Shear strength

- Ceramic bracket bonding: a comparison of shear, tensile, and torsional bond strengths of ceramic brackets (Merrill et al). 1994;106:290-7
- The effects of load location and misalignment on shear/peel testing of direct bonded orthodontic brackets—a finite element model (Katona). 1994;106:395-402
- Shear bond strength of orthodontic brackets cemented with a zinc oxide-polyvinyl cement (Martin and Garcia-Godoy). 1994;106:615-20
- Shear bond strengths of a glass ionomer for direct bonding in orthodontics (Wiltshire). 1994;106:127-30
- Shear strength of ceramic brackets bonded to porcelain (Whitlock et al). 1994;106:358-64

## Silicone elastomers

- Force delivery properties of colored elastomeric modules (Baty et al). 1994;106:40-6

## Skull

- Cephalometric norms for craniofacial asymmetry using submental-vertical radiographs (Arnold et al). 1994;106:250-6
- Cranial base growth for Dutch boys and girls: a multilevel approach (Henneberke and Prahl-Andersen). 1994;106:503-12
- Facial and dental changes in adulthood (Bishara et al). 1994;106:175-86
- The integumental profile: A reflection of the underlying skeletal configuration? (Kuyt et al). 1994;106:597-604
- A longitudinal study of the effects of surgery, radiation, growth hormone, and orthodontic therapy on the craniofacial skeleton of a patient evidencing hypopituitarism and a Class II malocclusion: report of a case (Newmann and Newman). 1994;106:571-82 (Case rep.)
- Treatment prediction with three-dimensional computer tomographic skull models (Fuhrmann et al). 1994;106:156-60

## Sleep apnea syndromes

- A cephalometric and electromyographic study of upper airway structures in the upright and supine positions (Pae et al). 1994;106:52-9

## Software

- Beyond word processing (Abelson). 1994;106:332-5 (Ortho bytes)
- Create your own stationery with your word processor (Abelson). 1994;106:107-8 (Ortho bytes)
- Is less better? A look at a Works program (Abelson). 1994;106:443-5 (Ortho bytes)
- Memory and hard disk management (Abelson). 1994;106:215-8 (Ortho bytes)

- Newsletters—just add styles (Nelson). 1994;106:561-4 (Ortho bytes)

- Postcards that pack a punch (Ash). 1994;106:661-4 (Ortho bytes)

## Special articles

- Special articles. 1994;106:96-105, 187-90, 304-16, 434-40, 649-57

## Splints

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## Spreadsheet

- Is less better? A look at a Works program (Abelson). 1994;106:443-5 (Ortho bytes)

## Stability

- Long-term stability after orthodontic treatment: nonextraction with prolonged retention (Sadowsky et al). 1994;106:243-9
- Occlusal plane alteration in orthognathic surgery—part II: long-term stability of results (Chemello et al). 1994;106:434-40 (Special article)

## Standards of care

- The future of standards of care in orthodontics (Speidel). 1994;106:336-8, 446-8, 565-7, 665-6 (Litigation/legis. update)

## Stationery

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## Sterilization

- The use of a rapid heat transfer sterilizer when bagging instruments before sterilization (Youngblade et al). 1994;106:627-34

## Stiffness

- Elastic energy/stiffness ratios for selected orthodontic wires (Klump et al). 1994;106:588-96

## Sucking

- The effect of sucking habits, cohort, sex, intercanine arch widths, and breast or bottle feeding on posterior crossbite in Norwegian and Swedish 3-year-old children (Øgaard et al). 1994;106:161-6

## Superimposition techniques

- The variability and reliability of two maxillary and mandibular superimposition techniques. Part II (Cook et al). 1994;106:463-71

## Supine position

- A cephalometric and electromyographic study of upper airway structures in the upright and supine positions (Pae et al). 1994;106:52-9

## Surface topography

- Frictional forces and surface topography of a new ceramic bracket (Tanne et al). 1994;106:273-8
- Surface topography and frictional characteristics of ceramic brackets (Saunders and Kusy). 1994;106:76-87

## Symphysis

- Assessment of symphysis morphology as a predictor of the direction of mandibular growth (Aki et al). 1994;106:60-9

## T

## Tensile strength

- Ceramic bracket bonding: a comparison of shear, tensile, and torsional bond strengths of ceramic brackets (Merrill et al). 1994;106:290-7
- The effect of carbamide peroxide bleach on the tensile bond strength of ceramic brackets: an in vitro study (Miles et al). 1994;106:371-5
- Engineering and experimental analyses of the tensile loads applied during strength testing of direct bonded orthodontic brackets (Katona and Chen). 1994;106:167-74

Tip-edge brackets; see Orthodontic brackets

**Tomography, x-ray computed**

Treatment prediction with three-dimensional computer tomographic skull models (Fuhrmann et al). 1994;106:156-60

**Tooth, deciduous**

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**Tooth crowding**

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**Tooth eruption**

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**Tooth extraction**

Adult treatment with removal of all four permanent canines (Freeman). 1994;106:549-54 (Case rep.)

Angle Class II, Division 1 malocclusion treated without premolar extraction (McCullough). 1994;106:317-21 (Case rep.)

A "case" for the right "angle" (Bernstein). 1994;106:524-34 (Point/counterpoint)

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Anchorage and retentive effects of a bisphosphonate (AHBUP) on tooth movements in rats (Igarashi et al). 1994;106:279-89

Dimensions of the denture: back to basics (Merrifield). 1994;106:535-42 (Clin. corner)

The effect of ibuprofen on the level of discomfort in patients undergoing orthodontic treatment (Ngan et al). 1994;106:88-95

Elastic energy/stiffness ratios for selected orthodontic wires (Klump et al). 1994;106:588-96

Periodontal conditions after facial root tipping and palatal root torque of incisors (Wehrbein et al). 1994;106:455-62

Treatment of transmigrated mandibular canines (Wertz). 1994;106:419-7 (Case rep.)

**Tooth transplantation**

Indications of autotransplantation of teeth in orthodontic problem cases (Schatz and Joho). 1994;106:351-7

**Toothbrushing**

A two-month study of the effects of oral irrigation and automatic toothbrush use in an adult orthodontic population with fixed appliances (Burch et al). 1994;106:121-6

**Torque**

In vitro torque-deformation characteristics of orthodontic polycarbonate brackets (Feldner et al). 1994;106:265-72

Periodontal conditions after facial root tipping and palatal root torque of incisors (Wehrbein et al). 1994;106:455-62

**Torsion**

Ceramic bracket bonding: a comparison of shear, tensile, and torsional bond strengths of ceramic brackets (Merrill et al). 1994;106:290-7

**Training; see Education****Transplantation**

Indications of autotransplantation of teeth in orthodontic problem cases (Schatz and Joho). 1994;106:351-7

**Treatment time**

Decreased treatment time due to changes in technique and practice philosophy (Shelton et al). 1994;106:654-7 (Special article)

**Tweed Foundation**

A "case" for the right "angle" (Bernstein). 1994;106:524-34 (Point/counterpoint)

U

**Upright position**

A cephalometric and electromyographic study of upper airway structures in the upright and supine positions (Pae et al). 1994;106:52-9

V

**Vertical dimension**

Angle Class II, Division 1 malocclusion (Ward). 1994;106:428-33 (Case rep.)

Biomechanical basis of vertical dimension control during rapid palatal expansion therapy (Majourau and Nanda). 1994;106:322-8 (Clin. corner)

Control of the vertical dimension in Class II correction using a cervical headgear and lower utility arch in growing patients. Part I (Cook et al). 1994;106:376-88

Maxillary molar vertical control with the use of transpalatal arches (Wise et al). 1994;106:403-8

Variation in maxillary and mandibular molar and incisor vertical dimension in 12-year-old subjects with excess, normal, and short lower anterior face height (Janson et al). 1994;106:409-18

**Viewpoint**

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W

**Walter, Douglas C.**

Douglas C. Walter (Eckelson). 1994;106:106 (In memoriam)

**White spots**

Regression of white spot enamel lesions: a new optical method for quantitative longitudinal evaluation in vivo (Øgaard and Ten Bosch). 1994;106:238-42

**Whites; see Caucasians****Wires; see Orthodontic wires****Word processing**

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**Works programs**

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**Wyoming**

Viewpoint (Ewan). 1994;106:330

Z

**Zinc oxide**

Shear bond strength of orthodontic brackets cemented with a zinc oxide-polyvinyl cement (Martin and Garcia-Godoy). 1994;106:615-20

**Zirconia**

Zirconia brackets: an evaluation of morphology and coefficients of friction (Keith et al). 1994;106:605-14

